

Goat Anti-RASSF7 / HRAS1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1917a**Specification**

Goat Anti-RASSF7 / HRAS1 Antibody - Product Information

Application	WB
Primary Accession	Q02833
Other Accession	NP_003466 , 8045
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	39945

Goat Anti-RASSF7 / HRAS1 Antibody - Additional Information**Gene ID** 8045**Other Names**

Ras association domain-containing protein 7, HRAS1-related cluster protein 1, RASSF7, C11orf13, HRC1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-RASSF7 / HRAS1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-RASSF7 / HRAS1 Antibody - Protein Information**Name** RASSF7**Synonyms** C11orf13, HRC1**Function**

Negatively regulates stress-induced JNK activation and apoptosis by promoting MAP2K7 phosphorylation and inhibiting its ability to activate JNK. Following prolonged stress, anti-apoptotic effect stops because of degradation of RASSF7 protein via the ubiquitin-proteasome pathway. Required for the activation of AURKB and chromosomal congression during mitosis where it

stimulates microtubule polymerization.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Colocalizes with gamma-tubulin

Goat Anti-RASSF7 / HRAS1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-RASSF7 / HRAS1 Antibody - Images



AF1917a (1 µg/ml) staining of Jurkat cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-RASSF7 / HRAS1 Antibody - References

Human RASSF7 regulates the microtubule cytoskeleton and is required for spindle formation, Aurora B activation and chromosomal congression during mitosis. Recino A, et al. Biochem J, 2010 Sep 1. PMID 20629633.

Human longevity and 11p15.5: a study in 1321 centenarians. Lescai F, et al. Eur J Hum Genet, 2009 Nov. PMID 19367319.

RASSF7 is a member of a new family of RAS association domain-containing proteins and is required for completing mitosis. Sherwood V, et al. Mol Biol Cell, 2008 Apr. PMID 18272789.

A systematic analysis of human CHMP protein interactions: additional MIT domain-containing proteins bind to multiple components of the human ESCRT III complex. Tsang HT, et al. Genomics, 2006 Sep. PMID 16730941.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.